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Resume of George William Morris, 1981

Morris, George William

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RESUME OF GEORGE WILLIAM MORRIS

George W. Morris was born in Granite, Oklahoma, in 1921. He received the degree of Bachelor of Arts in Mathematics in 1942 from Southwestern State University at Weatherford, Oklahoma. He then served four years of active duty with the U.S. Naval Reserve as the commanding officer of an LST.

Graduate study followed at the University of Oklahoma where he received the degree of Master of Arts in Mathematics in 1947, and at the University of California at Los Angeles where he received the Doctor of Philosophy in Mathematical Physics in 1957. His dissertation was in the field of thermoelasticity under the direction of Dr. I.S. Sokolnikoff.



His fifteen years experience in the aerospace industry was primarily with North American Rockwell, Inc., where he participated in the design and development of the X-15 and B-70 aircraft, and with McDonnell Douglas Corporation where he was associated with various missile systems developing analytical methods for the electromagnetic energy deposition, temperature diffusion, and stress wave propagation in composite structures subjected to nuclear environments.

He has also developed mathematical models associated with the seismic detection and identification of underground nuclear detonations. He has served as a consultant to the Pacific Missile Range in the field of astrodynamics. Typical problem areas involved the determination of orbits from Doppler data only, computer decision and destruct command processes as related to range safety, trajectory prediction of unidentified vehicles during the thrust phase, and weapon systems evaluation.

In September 1968, he joined the faculty of the Naval Postgraduate School, Monterey, California, where he is teaching in the Department of Mathematics. His current research interest is the hydrodynamic, structural, and thermal response of composite structures to nuclear environments. He is a member of the Society for Industrial and Applied Mathematics, and he is listed in American Men of Science.